(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 16 June 2005 (16.06.2005)

(10) International Publication Number WO 2005/054338 A1

(51) International Patent Classification7: H01B 1/12

C08G 73/02,

(21) International Application Number:

PCT/CA2004/002083

(22) International Filing Date: 6 December 2004 (06.12.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/526,603 4 December 2003 (04.12.2003) US

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- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

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(78) Title: A SWITCHABLE SELF-DOPED POLYANILINE

(79) Abstract: A substituted polyaniline whose self-doped state can be controlled via complexation between boronic acid groups along the backbone with D-fructose in the presence of fluoride is described. For the first time, this allows the formation of a water-store of the polyaniline over a soluble, self-doped conducting polymer under the polymerization conditions. In turn this facilitates the growth of polyaniline over a soluble, self-doped conducting polymer under the polymerization conditions. In turn this facilitates the growth of polyaniline over a soluble, self-doped conducting polymer under the polymerization conditions. In turn this facilitates the growth of polyaniline over a soluble, self-doped conducting polymer under the polymerization conditions. along the backbone with D-fructose in the presence of fluoride is described. For the first time, this allows the formation of a watersoluble, self-doped conducting polymer under the polymerization conditions. In turn this facilitates the growth of polyaniline over a wider pH range